

**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) An interactive voice response system comprising:  
an application repository server having application logic and information stored thereon, said application logic for defining at least one voice response application;  
a communication device for establishing at least one connection with said application repository server, wherein said application repository server communicates said application logic to said communication device responsive to one of said established connections; and  
a processor within ~~connected to~~ said communication device to execute said communicated application logic and locally execute ~~administer~~ said at least one voice response application.
2. (Currently Amended) The system of claim 1 further comprising:  
a data network interface in communication with said application repository server for retrieving information responsive to said at least one voice response application locally executed ~~administered~~ at said communication device.
3. (Original) The system of claim 2 wherein said data network is the Internet.
4. (Currently Amended) The system of claim 1 wherein said communication device establishes at least one connection with another application repository server responsive to said information retrieved by said application repository server, said another application repository server having another application logic stored thereon defining at least one other voice response application for execution on said communication device.
5. (Previously Presented) The system of claim 4 further comprising:  
translation logic for converting said retrieved information and applications into a format compatible with said application logic.
6. (Currently Amended) The system of claim 1 wherein said application repository server divides said at least one voice response application into one or more selectively-sized, executable sub-modules, wherein a size is selected responsive to memory limitations of said communication device.

7. (Original) The system of claim 6 wherein said communication device obtains one of said one or more sub-modules for execution.

8. (Original) The system of claim 7 wherein said communication device obtains a next one of said one or more sub-modules after completing execution of said one sub-module.

9. (Original) The system of claim 1 further comprising:  
a user interface disposed on said communication device for accepting input from a user responsive to said at least one voice response application.

10. (Canceled)

11. (Previously Presented) The system of claim 9 wherein said processor processes said user input locally according to said at least one voice response application.

12. (Original) The system of claim 11 further comprising voice recognition logic.

13. – 14. (Canceled)

15. (Original) The system of claim 12 wherein said voice recognition logic is disposed permanently on said communication device.

16. (Canceled)

17. (Currently Amended) The system of claim 12 wherein said voice recognition logic is disposed on said application repository ~~server~~ and wherein said voice recognition logic receives digital voice packets from said communication device.

18. (Original) The system of claim 9 further comprising:  
an audio transducer disposed on said communication device for playing aural segments to said user in accordance with the operation of said at least one voice response application; and  
a display disposed on said communication device for presenting visual information to said user in accordance with the operation of said at least one voice response application.

19. – 20. (Canceled)

21. (Original) The system of claim 18 wherein information responsive to said at least one voice response application is presented on said communication device according to a set of preferences preselected by said user.

22. (Original) The system of claim 21 wherein a set of potentially responsive information is downloaded to said communication device with said application logic.

23. (Currently Amended) The system of claim 22 wherein said responsive information is obtained from said application repository server when said set of potentially responsive information is not responsive to said at least one voice response application.

24. – 25. (Canceled)

26. (Currently Amended) The system of claim 9 wherein said communication device initiates said application repository server connection over a voice connection and receives said information and application logic over a data connection.

27. (Original) The system of claim 26 wherein said voice connection comprises a circuit switched network and said data connection comprises a packet switched network.

28. (Currently Amended) The system of claim 9 wherein said communication device communicates with said application repository server using a blended voice and data network.

29. (Canceled)

30. (Original) The system of claim 1 wherein said application logic comprises VoiceXML.

31. (Currently Amended) A method for providing an interactive voice response application to a user on a communication unit comprising the steps of:  
establishing an initial connection between said communication unit and a multimedia application repository server;

transmitting software code defining said interactive voice response application to said communication unit;

executing said software code on said communication unit to run said interactive voice response application; and

providing information to said user responsive to requests made pursuant to said interactive voice response application.

32. (Previously Presented) The method of claim 31 further comprising the step of retrieving said information responsive to said requests.

33. (Original) The method of claim 32 wherein said communication unit retrieves said responsive information from a set of information downloaded with said software code.

34. (Currently Amended) The method of claim 33 wherein said communication unit retrieves said responsive information from said multimedia application repository server.

35. (Currently Amended) The method of claim 34 wherein said multimedia application repository server obtains said responsive information from one of an internal database and a data network.

36. (Original) The method of claim 35 further comprising the step of:  
converting said responsive information into a format compatible with said interactive voice response application.

37. (Currently Amended) The method of claim 31 wherein said transmitting step further comprises the step of:

dividing said software code into selectively-sized segments responsive to a memory capacity of said communication unit; and

transmitting one of said selectively-sized segments ~~segment~~ to said communication unit.

38. (Original) The method of claim 31 further comprising the step of:  
receiving input from said user responsive to voice messages played by said interactive voice response application.

39. – 44. (Canceled)

45. (Currently Amended) The method of claim 34 further comprising the step of: reestablishing a subsequent connection between said communication unit and said multimedia application repository server to retrieve said responsive information.

46. (Currently Amended) The method of claim 37 further comprising the step of: downloading a next selectively-sized segment after execution of said transmitted one of said selectively-sized segments ~~segment~~.

47. (Canceled)

48. (Original) The method of claim 31 wherein said initial connection is implemented over a voice network and said transmitting step is implemented over a data network.

49. (Original) The method of claim 31 further comprising the step of: establishing communication between said user and an operator responsive to a request made pursuant to said interactive voice response application.

50. – 51. (Canceled)

52. (Original) The method of claim 49 wherein said communication is established using a combination of a voice network and a data network.

53. (Currently Amended) A system for implementing an interactive voice response application on a communication device comprising:  
a central repository server in communication with a data network;  
extensible application code disposed on said central repository server, said code defining an interactive voice response application;  
memory disposed on said communication device for storing a copy of said extensible application code, wherein said communication device downloads said copy from said central repository server using said data network; and  
a processor disposed on said communication device for running said copy of said

extensible application code and executing ~~administering~~ said interactive voice application substantially independent from said central repository ~~server~~.

54. (Original) The system of claim 53 wherein said interactive voice application provides information responsive to requests made in administering said interactive voice application.

55. (Original) The system of claim 54 wherein said responsive information is provided from information downloaded with said copy of said extensible application code.

56. (Currently Amended) The system of claim 54 wherein said communication device communicates with said central repository ~~server~~ to obtain said responsive information.

57. – 59. (Canceled)

60. (Original) The system of claim 53 further comprising voice processing logic to process input spoken by a user into said communication device.

61. – 64. (Canceled)

65. (Currently Amended) The system of claim 53 further comprising:  
application management software disposed on said central repository ~~server~~ for dividing said extensible application code into selectively-sized sub-modules, wherein said selected size is determined from memory limitations of said communication device.

66. (Original) The system of claim 65 wherein said communication device downloads a next sub-module after completing execution of a current sub-module.

67. (Currently Amended) The system of claim 53 wherein said communication device initiates said download of said copy by communicating with said central repository ~~server~~ using a voice network.

68. (Currently Amended) The system of claim 54 further comprising:  
a connection resource for connecting a user to an agent responsive to said requests

made in ~~executing~~ ~~administering~~ said interactive voice application, wherein said connection allows live voice communication between said user and said agent.

69. (Canceled)

70. (Original) The system of claim 68 wherein said connection resource connects said user and said agent using a combination of said data network and a voice network.

71. (Previously Presented) A computer program product defining an interactive multimedia response application for use on a communication device, said computer program product comprising:

at least one function for operation of said interactive multimedia response application on said communication device corresponding to a predefined set of at least one desired application feature;

a multimedia display driver for processing multimedia information for presentation to a user;

application logic for providing multimedia information to said multimedia display driver for presenting user prompts according to operation of said at least one function; and  
multimedia input interface for processing multimedia input.

72. (Original) The computer program product of claim 71 wherein said multimedia display driver comprises:

an audio media player for presenting audio files to said user; and

a graphical driver for presenting visual information on a display of said communication device.

73. (Original) The computer program product of claim 72 wherein said multimedia display driver further comprises a speech synthesizer for converting text information to speech for presentation to said user.

74. – 76. (Canceled)

77. (Currently Amended) A method for providing an interactive voice response application to a user on communication unit comprising the steps of:

launching a connection between said communication unit and a multimedia application repository server;

downloading application code defining said interactive voice response application to said communication unit; and

running said application code on said communication unit to execute said interactive voice response application so that said user can have a voice response interactive session controlled, at least in part, by said downloaded application code.

78. (Original) The method of claim 77 further comprising the step of:  
retrieving said information responsive to said voice response interactive session.

79. (Currently Amended) The method of claim 78 wherein said communication unit retrieves said responsive information from one of [[a]] an internal database ~~internal~~ to said communication unit and [[a]] an external database ~~external~~ to said communication unit.

80. (Currently Amended) The method of claim 77 wherein said connection between said communication unit and said multimedia application repository server comprises a data socket connection.

81. (Currently Amended) A method for obtaining multimedia information on a communication device using a locally executed ~~administered~~ interactive voice application, said method comprising the steps of:

actuating said communication device to initiate an interactive voice response session;  
receiving application logic into said communication device to locally execute ~~administer~~ said interactive voice response session;

observing multimedia prompts on said communication device provided by said interactive voice response session;

providing said interactive voice response session multimedia input responsive to said observed multimedia prompts, wherein said multimedia input is processed by said communication device; and

observing multimedia information on said communication device provided by said interactive voice response session responsive to said processed multimedia input.



82. (Original) The method of claim 81 wherein said multimedia prompts comprise one of aural segments presented over an audio transducing mechanism of said communication device and visual information presented using a visual display of said communication device.

83. (Original) The method of claim 81 wherein said multimedia prompts comprise a combination of aural segments presented using an audio transducing mechanism and visual information presented using a visual display.

84. (Original) The method of claim 81 wherein said multimedia input is chosen from the group comprising:  
speech;  
dual tone multiple frequency (DTMF) signals; and  
text.

85. (Original) The method of claim 81 wherein said multimedia information comprises one of aural segments presented over an audio transducing mechanism of said communication device and visual information presented using a visual display of said communication device.

86. (Canceled)

87. (Original) The method of claim 81 further comprising the step of retrieving said multimedia information responsive to said multimedia input.

88. (Canceled)

89. (Previously Presented) The method of claim 83 wherein said multimedia information is retrieved from a database external to said communication device when said information contained in said local database is not responsive to said multimedia input.

90. (Original) The method of claim 81 further comprising the step of storing said multimedia information onto said communication device to provide access to said multimedia information substantially independent from said interactive voice response session.

91. (Original) The method of claim 81 further comprising the step of selectively forwarding said multimedia information to another communication device.

92. (Currently Amended) An interactive voice response system comprising:  
an application repository server having information stored thereon;  
a communication device for establishing at least one connection with said application repository server and said communication device having application logic stored thereon, said application logic for defining at least one voice response application; and  
a processor within ~~connected to~~ said communication device to execute said application logic and locally execute ~~administer~~ said at least one voice response application.

93. (Currently Amended) The system of claim 92 wherein said application repository server communicates said application logic to said communication device responsive to one of said established at least one connection.

94. (Currently Amended) The system of claim 92 further comprising:  
a data network interface in communication with said application repository server for retrieving information responsive to said at least one voice response application locally executed by ~~administered at~~ said communication device.

95. (Currently Amended) The system of claim 92 wherein said communication device establishes at least one connection with another application repository server responsive to said information retrieved by said application repository server, said another application repository server having another application logic stored thereon defining at least one other voice response application for execution on said communication device, and wherein said another application repository server downloads said another application logic to said communication device.

96. (Previously Presented) The system of claim 92 further comprising:  
translation logic for converting said retrieved information and applications into a format compatible with said application logic.

97. (Currently Amended) The system of claim 93 wherein said application repository server divides said at least one voice response application into one or more

selectively-sized, executable sub-modules, wherein said size is selected responsive to memory limitations of said communication device.

98. (Previously Presented) The system of claim 97 wherein said communication device obtains one of said one or more sub-modules for execution.

99. (Previously Presented) The system of claim 98 wherein said communication device obtains a next one of said one or more sub-modules after completing execution of said one sub-module.

100. (Previously Presented) The system of claim 92 further comprising:  
a user interface disposed on said communication device for accepting input from a user responsive to said at least one voice response application.

101. (Previously Presented) The system of claim 100 wherein said processor processes said user input locally according to said at least one voice response application.

102. (Previously Presented) The system of claim 101 further comprising voice recognition logic.

103. (Currently Amended) The system of claim 102 wherein said voice recognition logic is disposed on said application repository server and wherein said voice recognition logic receives digital voice packets from said communication device.

104. (Previously Presented) The system of claim 100 further comprising:  
an audio transducer disposed on said communication device for playing aural segments to said user in accordance with the operation of said at least one voice response application; and

a display disposed on said communication device for presenting visual information to said user in accordance with the operation of said at least one voice response application.

105. (Previously Presented) The system of claim 104 wherein information responsive to said at least one voice response application is presented on said communication device according to a set of preferences preselected by said user.

106. (Currently Amended) The system of claim 100 wherein said communication device initiates said application repository server connection over a voice connection and receives said information and application logic over a data connection.

107. (Previously Presented) The system of claim 106 wherein said voice connection comprises a circuit switched network and said data connection comprises a packet switched network.

108. (Currently Amended) The system of claim 100 wherein said communication device communicates with said application repository server using a blended voice and data network.

109. (Previously Presented) The system of claim 92 wherein said application logic comprises VoiceXML.

110. (Currently Amended) A method for providing an interactive voice response application to a user on a communication unit comprising the steps of:  
establishing an initial connection between said communication unit and a multimedia application repository server;  
executing software code on said communication unit to run said interactive voice response application; and  
providing information to said user responsive to requests made pursuant to said interactive voice response application.

111. (Previously Presented) The method of claim 110 further comprising:  
transmitting said software code defining said interactive voice response application to said communication unit.

112. (Previously Presented) The method of claim 110 further comprising the step of:  
retrieving said information responsive to said requests.

113. (Previously Presented) The method of claim 112 wherein said communication unit retrieves said responsive information from a set of information downloaded responsive to said establishing said initial connection.

114. (Currently Amended) The method of claim 113 wherein said communication unit retrieves said responsive information from said multimedia application repository server.

115. (Currently Amended) The method of claim 114 wherein said multimedia application repository server obtains said responsive information from one of an internal database and a data network.

116. (Previously Presented) The method of claim 115 further comprising the step of:  
converting said responsive information into a format compatible with said interactive voice response application.

117. (Previously Presented) The method of claim 111 wherein said transmitting step further comprises the step of:  
dividing said software code into selectively-sized segments responsive to a memory capacity of said communication unit.

118. (Previously Presented) The method of claim 110 further comprising the step of:  
receiving input from said user responsive to voice messages played by said interactive voice response application.

119. (Previously Presented) The method of claim 118 further comprising the step of processing said voice input.

120. (Previously Presented) The method of claim 119 wherein said voice processing is done by said communication device.

121. (Currently Amended) The method of claim 114 further comprising the step of:

reestablishing a subsequent connection between said communication unit and said multimedia application repository server to retrieve said responsive information.

122. (Previously Presented) The method of claim 117 further comprising the step of:

downloading a next selectively-sized segment after execution of said transmitted segment.

123. (Previously Presented) The method of claim 111 wherein said initial connection is implemented over a voice network and said transmitting step is implemented over a data network.

124. (Previously Presented) The method of claim 110 further comprising the step of:

establishing communication between said user and an operator responsive to a request made pursuant to said interactive voice response application.

125. (Previously Presented) The method of claim 124 wherein said communication is established using a combination of a voice network and a data network.

126. (Currently Amended) A system for obtaining multimedia information on a communication device using a locally executed ~~administered~~ interactive voice application, said method comprising:

means for actuating said communication device to initiate an interactive voice response session, wherein said interactive voice response session ~~sessions~~ is defined by application logic on said communication device;

means for facilitating observation of ~~observing~~ multimedia prompts on said communication device provided by said interactive voice response session;

means for providing said interactive voice response session multimedia input responsive to said observed multimedia prompts, wherein said multimedia input is processed by said application logic on said communication logic; and

means for facilitating observation of ~~observing~~ multimedia information on said communication device provided by said interactive voice response session responsive to said processed multimedia input.

127. (Currently Amended) The system of claim 126 further comprising:  
means for receiving said application logic into said communication device to locally  
~~execute~~ ~~administer~~ said interactive voice response session.

128. (Previously Presented) The system of claim 126 wherein said multimedia  
prompts comprise one of aural segments presented over an audio transducing mechanism of  
said communication device and visual information presented using a visual display of said  
communication device.

129. (Previously Presented) The system of claim 126 wherein said multimedia  
prompts comprise a combination of aural segments presented using an audio transducing  
mechanism and visual information presented using a visual display.

130. (Previously Presented) The system of claim 126 further comprising the step of  
retrieving said multimedia information responsive to said multimedia input.

131. (Previously Presented) The system of claim 126 further comprising the step of  
storing said multimedia information onto said communication device to provide access to  
said multimedia information substantially independent from said interactive voice response  
session.

132. (Previously Presented) The system of claim 126 further comprising the step of  
selectively forwarding said multimedia information to another communication device.